



Date: August 26, 1981
Subject: Paste Plant Fume Control

From/Location: C. O. Basballe
To/Location: R. P. Dwyer

*This is output after cleansing -
we need input before
cleansing for design of new
system. (R) 7-21-83*

Objective:

To determine grain loading in the gas streams of the anode mixer fume duct and mixer input dust control duct.

Findings:

As per attached data sheet, in testing conducted 8/6/81 - 8/11/81, the average emission rate for the anode mixer fume duct was 55.8 lbs./day. The average emission rate for the mixer input dust control duct was 356.5 lbs./day. The mean percent pitch volatiles found in this duct's gas stream came to 10.8%.

*Like 32# / day
dust + 35# / day
pitch fume!
Σ = 356*

Discussion:

It should be noted that total sampling time for each test was two hours. According to Paste Plant personnel, the anode mixer fume duct emits particulate 24 hours per day, 7 days per week, whereas the mixer input dust control duct emits particulate for approximately 20 hours per day, five days per week. It is upon this emission schedule that lbs./day are calculated.

10,000 LFM

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